

INTERNATIONAL BIBLIOGRAPHY ON CROPPING SYSTEMS 1973-1974

**THE LIBRARY AND DOCUMENTATION CENTER
THE INTERNATIONAL RICE RESEARCH INSTITUTE**

INTERNATIONAL BIBLIOGRAPHY
ON
CROPPING SYSTEMS
1973-1974

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degree of Master of Library Science

The Library and Documentation Center
The International Rice Research Institute
P. O. Box 933
Manila, Philippines

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INTRODUCTION

The phrase "cropping systems" is used to refer to the "cropping patterns utilized on a given farm and their interaction with farm resources, other farm enterprises and the available technology which determine their makeup"¹. "Cropping pattern" specifically means "the yearly sequence and spatial arrangement of crops or of crops and fallow on a given area"².

Cropping systems or farming systems have remained at the background of agricultural pursuits until the late sixties when interest in the subject was revived. Research has been accelerated by the urgent need to produce more food with scarce land resources. Such cultural practices as multiple cropping, mixed cropping, intercropping, relay planting, rotation of crops, etc. have received emphasis in order to achieve a higher level of land use intensity, and ultimately, to maximize food production. It was toward these objectives that a Cropping Systems Program was initiated by the International Rice Research Institute (IRRI) in 1972. Other international agricultural centers, like the International Institute of Tropical Agriculture in Nigeria, the Centro Internacional de Agricultura Tropical in Colombia, and the International Crops Research Institute for the Semi-Arid Tropics in India, are also active in their efforts toward the development of a Farming Systems Program.

^{1,2}R. R. Harwood, Farmer-oriented research aimed at crop intensification. In Proceedings, Cropping Systems Workshop, IRRI, 1975, appendix. (Los Baños, Laguna: International Rice Research Institute, 1975)

Statement of the Problem

Researches serve their purposes only as their end results are made known to all possible users. Research results can either be directly utilized by the farmer in his field or can serve as a basis for further studies. The acceleration of researches on farming systems evidently leads to the proliferation of literature on the subject. The increasing literature output brings forth the problem of bibliographic control.

Some attempts have been made to bring together the scattered literature on the subject. The Commonwealth Bureau of Soils in England has compiled its Bibliography on rotations and productivity³, which covers the period from 1965 up to 1969. Another bibliography, entitled Bibliografia sobre sistemas de agricultura tropical⁴, was published by the Instituto Interamericano de Ciencias Agricolas in Turrialba, Costa Rica in 1974. The former is a short mimeographed listing showing no attempt at completeness. The latter, which is supposed to cover all cropping systems literature published between 1935 and 1973, also lacks a comprehensive coverage of the world's literature on farming systems.

³Commonwealth Bureau of Soils, Bibliography on rotations and productivity (1969-1965) (Harpenden, Eng., 1970). 46 p. (Bibliography no.1382)

⁴Instituto Interamericano de Ciencias Agricolas, Centro Interamericano de Documentacion e Informacion Agricola, Bibliografia sobre sistemas de agricultura tropical (Turrialba, 1974). 145 p. (Documentacion e informacion agricola, no.27)

The need for a comprehensive and current listing of literature dealing with cropping systems was discussed in a meeting among librarians of international agricultural centers⁵ held at Cali, Colombia in 1973. It was agreed in the meeting that the IRRI Library and Documentation Center will be given the responsibility for the compilation and updating of an international bibliography on cropping systems.

Objectives

Bibliographic control has always been a problem in almost all fields of knowledge. This special problem represents an initial step towards the accomplishment of what was agreed upon in the meeting at Cali. Recognizing the need to bring together under one cover the scattered literature on cropping systems, this project was undertaken to facilitate the literature search of scientists who are presently engaged in cropping systems research. Increased literature awareness among researchers will minimize the time and effort involved in searching for relevant literature from a trickling of guides and bibliographies devoted to the subject. Likewise, it aims to lessen the duplication of research efforts, which remains inevitable as a consequence of inadequate bibliographic control.

⁵These include the Asian Vegetable Research and Development Center (Taiwan), the Centro Internacional de Agricultura Tropical (Colombia), the International Maize and Wheat Improvement Center (Mexico), the Centro Internacional de la Papa (Peru), the International Crops Research Institute for the Semi-Arid Tropics (India), the International Institute of Tropical Agriculture (Nigeria), the International Livestock Center for Africa (Ethiopia), the International Laboratory for Research on Animal Diseases (Kenya), and the International Rice Research Institute (Philippines).

The compilation will supplement previously published bibliographies on farming systems. It will also serve as a guide for the acquisition of materials on cropping systems. Items in the bibliography, which are not yet available in the IRRI Library, will be acquired eventually to enable it to serve as a clearinghouse for cropping systems literature as it has been doing for rice.

Scope and Methodology

The bibliography embraces all published and unpublished technical works dealing with all aspects of cropping systems, produced in 1973 and 1974. The subject coverage, however, is limited to cropping systems involving food crops. All types of publications are included: monographs, pamphlets, papers, theses, periodical articles, and chapters or sections from monographic works.

Items in the bibliography were gathered by direct indexing of materials available in the IRRI Library and by searching secondary sources such as published and unpublished agricultural bibliographies and literature listings, and bibliographies appended to individual works. The following titles were scanned for the compilation:

Agrindex (FAO/AGRIS)

Bibliography of Agriculture (U.S. National Agriculture Library)

Centro Internacional de Agricultura Tropical. Bibliografia sobre sistemas de agricultura tropical. Cali, 1975

Fertilizer Abstracts (Tennessee Valley Authority)

Field Crop Abstracts (Commonwealth Agricultural Bureaux)

Herbage Abstracts (Commonwealth Agricultural Bureaux)

Instituto Interamericano de Ciencias Agrícolas. Centro Interamericano de Documentación e Información Agrícola. Bibliografía sobre sistemas de agricultura tropical. Turrialba, 1974. 145 p.

Jadhav, P. S., and others. Sorghum-millet-peas: a bibliography of Indian literature, 1969-1973. Hyderabad, International Crops Research Institute for the Semi-Arid Tropics, 1975. 116 p.

Soils and Fertilizers (Commonwealth Agricultural Bureaux)

U.S. National Agricultural Library. Catalog

Weed Abstracts (Commonwealth Agricultural Bureaux)

Because of the diverse terminology and crops associated with cropping systems, it was not enough to rely on the subject or keyword indexes of the above bibliographies. Relevant items were searched by going over all items individually. Whenever possible, the bibliographic data of entries gathered from secondary sources were verified by comparing them with the original publication.

Other items in the bibliography were obtained from computer print-outs supplied by the International Development Research Centre in Canada and through correspondence with the IRRI indexers in Japan. Correspondence with local agricultural librarians did not yield fruitful results.

The entries have been classified according to a broad scheme devised by the compiler, after having been exposed to diverse literature on cropping systems. The experience gained while cataloging and classifying publications for the IRRI Library proved very useful at this stage of the project. Within each subject category, items are arranged alphabetically by main entries. Numbers have been assigned to each entry for easier access.

Complete bibliographic data is provided for all publications included in the bibliography. The abbreviations of serial titles used were based on the Bibliographic Guide for Editors and Authors, published by the American Chemical Society in 1974, the Bibliography of Agriculture, and the International Bibliography of Rice Research.

Original titles of foreign language publications are given whenever possible. These are followed by translations in English. In cases where the original titles cannot be obtained, and for those which are not in Roman characters, only the English titles are given, with an indication of the language of the original. There are also some instances where the names of joint authors are not obtainable.

The relevance of some publications to cropping systems cannot be readily discerned from the title. In such cases, words or phrases indicative of their contents are provided after the citation.

The author and keyword indexes were prepared manually. Item numbers instead of page numbers are used in the indexes to facilitate access to the literature listed in the bibliography.

There is no such thing as a complete bibliography. The present listing is but an initial step towards a better and bigger undertaking. It is the hope of this compiler that this little piece of work could contribute its share, although indirectly, in augmenting the food supply of the less affluent countries of the world. Plans for future supplements are still being finalized.

ABBREVIATIONS OF SERIAL TITLES

- ADAS [Agric. Dev. Advis. Serv.] Q. Rev.
ADAS [Agricultural Development Advisory Service] Quarterly Review
- AMA (Agric. Mech. Asia)
AMA (Agricultural Mechanization in Asia)
- Accent
Accent
- Acta Agric. Scand.
Acta Agriculturae Scandinavica
- Acta Biol. Jugosl. Ser. B Microbiol.
Acta Biologica Iugoslavica Seriya B Microbiologija
- Acta Bot. Neerl.
Acta Botanica Neerlandica
- Acta Hortic.
Acta Horticulturae
- Adv. Agron.
Advances in Agronomy
- Agrartort Sz.
Agrartortneneti Szemle
- Agrartud. Kozl.
Agrartudományi Közlemények
- Agric. [Spain]
Agricultura [Spain]
- Agric. Agroind. J.
Agriculture and Agroindustries Journal
- Agric. Handbk. U.S. Dep. Agric.
Agriculture Handbook, U.S. Department of Agriculture
- Agric. Hortic.
Agriculture and Horticulture
- Agric. Res. J. Kerala
Agricultural Research Journal of Kerala

- Agric. Situat. India
Agricultural situation in India
- Agrinews [Botswana]
Agrinews [Botswana]
- Agroborealis
Agroborealis
- Agrochemia
Agrochemia [Bratislava]
- Agrochemija
Agrochemija
- Agrokem. Talajtan
Agrokemia es Talajtan
- Agrokhimiya
Agrokhimiya
- Agron. J.
Agronomy Journal
- Agron. Trop. [France]
Agronomie Tropicale [France]
- Agropecuar. Mod.
Agropecuaria Moderna
- Agroplantae
Agroplantae
- An. Inst. Cercet. Prot. Plant.
Analele Institutului de Cercetari pentru Protectia Plantelor
- An. Soc. Rural Argent.
Anales de la Sociedad Rural Argentina
- Andhra Agric. J.
Andhra Agricultural Journal
- Anim. Husb. Agric. J.
Animal Husbandry and Agricultural Journal
- Ann. Agron.
Annales Agronomiques [France]
- Ann. Appl. Biol.
Annals of Applied Biology

- Ann. Arid Zone
Annals of Arid Zone
- Ann. Univ. Mariae Curie Sklodowska Sect. E.
Annales Universitatis Mariae Curie-Sklodowska, Sectio E:
Agricultura
- Annu. Prog. Rep. La. Rice Exp. Stn.
Annual Progress Report, Rice Experiment Station, Crowley,
Louisiana
- Annu. Rep. Cent. Int. Agric. Trop.
Annual report, Centro Internacional de Agricultura Tropical
- Annu. Rep. Dryland Food Crops Improv.
Annual Report of Dryland Food Crops Improvement [Taiwan
Department of Agriculture and Forestry]
- Annu. Rep. Exp. Stn. Pant (G.B.) Univ. Agric. Technol.
Annual Report, Experiment Station, G. B. Pant University of
Agriculture and Technology
- Annu. Rep. Int. Rice Res. Inst.
Annual Report, International Rice Research Institute
- Annu. Rep. Mekong Delta Soils Project Cantho Univ.
Annual Report, Mekong Delta Soils Project, Cantho University
- Annu. Rep. Thailand Natl. Corn Sorghum Program Dep. Agric.
Kasetsart Univ.
Annual report of the Thailand National Corn and Sorghum
Program, Department of Agriculture, Kasetsart University
- Annu. Rep. Tob. Res. Inst. Taiwan Tob. Wine Monop. Bur.
Annual Report, Tobacco Research Institute, Taiwan Tobacco
and Wine Monopoly Bureau
- Annu. Rep. Upland Crops Program UPLB [Univ. Philipp. Los Baños]
Annual Report, Upland Crops Program, UPLB [University of the
Philippines at Los Baños]
- Annu. Rev. Phytopathol.
Annual Review of Phytopathology
- Aquaculture
Aquaculture
- Arable Farming
Arable Farming

- Arbor. Bull.
Arboretum Bulletin
- Arch. Acker- Pflanzenbau Bodenkd.
Archiv fuer Acker- und Pflanzenbau und Bodenkunde
- Arecanut Spices Bull.
Arecanut & Spices Bulletin
- Ark. Agric. Econ.
Arkansas Agricultural Economics
- Arkansas Farm Res.
Arkansas Farm Research
- Arroz [Spain]
Arroz [Spain]
- Ataturk Univ. Ziraat Dergisi
Ataturk Universitesi Ziraat Fakultesi Ziraat Dergisi
- Aust. J. Exp. Agric. Anim. Husb.
Australian Journal of Experimental Agriculture and
Animal Husbandry
- BAECON [Bur. Agric. Econ. Philipp.] Bi-mo. Rep.
BAECON [Bureau of Agricultural Economics, Philippines]
Bi-monthly Reporter
- Bayer. Landwirtsch. Jahrb.
Bayerisches Landwirtschaftliches Jahrbuch
- Bedrijfsontwikkeling
Bedrijfsontwikkeling
- Better Crops Plant Food
Better Crops with Plant Food
- Bhartiya Krishi Anusandhan Patrika
Bhartiya Krishi Anusandhan Patrika
- Biol. Zh. Arm.
Biologicheskii Zhurnal Armenii
- Biul. Warz.
Biuletyn Warzywniczy
- Br. Ecol. Soc. Symp.
British Ecological Society Symposium

- Br. Sugar Beet Rev.
British Sugar Beet Review
- Bul. Shkencave Bujqesore
Buletini i Shkencave Bujqesore
- Bull. Aomori Agric. Exp. Stn.
Bulletin of the Aomori Agricultural Experiment Station
- Bull. Balai Penelitian Perkebunan Medan
Bulletin, Balai Penelitian Perkebunan Medan
- Bull. Chiba-ken Agric. Exp. Stn.
Bulletin of the Chiba-ken Agricultural Experiment Station
- Bull. Chugoku Natl. Agric. Exp. Stn. Ser. A
Bulletin of the Chugoku National Agricultural Experiment Station,
Series A (Crop Division)
- Bull. Chugoku Natl. Agric. Exp. Stn. Ser. D
Bulletin of the Chugoku National Agricultural Experiment
Station, Series D (Research Planning and Coordination Division)
- Bull. Exp. Farm Coll. Agric. Ehime Univ.
Bulletin, Experimental Farm, College of Agriculture, Ehime
University
- Bull. Fac. Agric. Kagoshima Univ.
Bulletin of the Faculty of Agriculture, Kagoshima University
- Bull. Fac. Agric. Miyazaki Univ.
Bulletin of the Faculty of Agriculture, Miyazaki University
- Bull. Hokkaido Prefect. Agric. Exp. Stn.
Bulletin of the Hokkaido Prefectural Agricultural Experiment
Station
- Bull. Hokuriku Agric. Exp. Stn.
Bulletin of the Hokuriku Agricultural Experiment Station
- Bull. ICID [Int. Comm. Irrig. Drain.]
Bulletin of the International Commission on Irrigation and
Drainage
- Bull. Ibaraki Agric. Exp. Stn.
Bulletin of the Ibaraki Agricultural Experiment Station
- Bull. Inf. Rizicult. Fr.
Bulletin d'Information des Riziculteurs de France
- Bull. Kyushu Agric. Exp. Stn.
Bulletin of the Kyushu Agricultural Experiment Station

- Bull. La. Agric. Exp. Sta.
Bulletin of the Louisiana Agricultural Experiment Station
- Bull. N. M. Agric. Exp. Stn.
Bulletin of the New Mexico Agricultural Experiment Station
- Bull. Nagasaki Agric. For. Exp. Stn. Sect. Agric.
Bulletin of the Nagasaki Agricultural and Forestry Experiment Station, Section of Agriculture
- Bull. Osaka Agric. Res. Cent.
Bulletin of the Osaka Agricultural Research Center
- Bull. Rech. Agron. Gembloux
Bulletin des Recherches Agronomiques de Gembloux
- Bull. Saga Agric. Exp. Stn.
Bulletin of the Saga Agricultural Experiment Station
- Bull. Shiga Pref. Agric. Exp. Stn.
Bulletin of the Shiga Prefecture of Agricultural Experiment Station
- Bull. Today
Bulletin Today
- Bull. Tohoku Natl. Agric. Exp. Stn.
Bulletin, Tohoku National Agricultural Experiment Station
- Bull. Utah Agric. Exp. Stn.
Bulletin of the Utah Agricultural Experiment Station
- Bull. Yamagata Pref. Agric. Exp. Stn.
Bulletin of the Yamagata Prefectural Agricultural Experiment Station
- Bull. Yamanashi Agric. Exp. Stn.
Bulletin of the Yamanashi Agricultural Experiment Station
- Byull. Mosk. O-va. Ispyt. Priro. Otd. Biol.
Byulleten Moskovskogo Obshchestva Ispytatelei Prirody,
Otdel Biologicheskii
- C Coop. Ext. Serv. Kans. State Univ.
C, Cooperative Extension Service, Kansas State University
- C. R. Seances Acad. Agric. Fr.
Comptes Rendus des Seances de l'Academie d'Agriculture de France
- Can. Entomol.
Canadian Entomologist

- Can. J. Bot.
Canadian Journal of Botany
- Can. J. Plant Sci.
Canadian Journal of Plant Science
- Cane Grow. Q. Bull.
Cane Growers' Quarterly Bulletin
- Cellul. Carta
Cellulosa e Carta
- Che Pao
Che Pao
- Chugoku Agric. Res.
Chugoku Agricultural Research
- Chugoku Chiiki Shin-Gijutsu
Chugoku Chiiki no okeru Shin Gijutsu
- Coconut Bull.
Coconut Bulletin
- Coll. Breed. [Tokyo]
Collecting and Breeding [Tokyo]
- Commonw. For. Rev.
Commonwealth Forestry Review
- Conserv. Res. Rep. U.S. Dep. Agric.
Conservation Research Report, U.S. Department of Agriculture
- Contemp. Agric.
Contemporary Agriculture
- Contrib. Cent. Res. Inst. Agric. [Bogor]
Contributions from the Central Research Institute for
Agriculture, Bogor, Indonesia
- Ctry. Life
Country Life
- Crop Sci.
Crop Science
- Cultivar
Cultivar
- Curr. Sci.
Current Science

- Dan. Skovforen. Tidsskr.
Dansk Skovforenings Tidsskrift
- Desde Surco
Desde el Surco [Ecuador]
- Diss. Abstr. Int.
Dissertation Abstracts International
- Dokl. Vses. Akad. S-kh. Nauk
Doklady Vsesoyuznoi Akademii Sel'skokhozyaistvennykh Nauk
- Dokl. Vses. Akad. S-kh. Nauk V. I. Lenina
Doklady Vsesoyuznoi Akademii Sel'skokhozyaistvennykh Nauk
imeni V. I. Lenina
- Dtsch. Gartenbau
Deutsche Gartenbau
- Ekologiya
Ekologiya
- Ekon. Sel'sk. Khoz.
Ekonomika Sel'skogo Khozyaistva
- Environ. Entomol.
Environmental Entomology
- Environ. Prot. Technol. Ser.
Environmental Protection Technology Series
- Exp. Agric.
Experimental Agriculture
- Exp. Husb.
Experimental Husbandry
- Ext. Bull. ASPAC Food Fert. Tech. Cent.
Extension Bulletin, ASPAC Food & Fertilizer Technology
Center, Taipei, Taiwan
- FAO Inf. Bull. Near East Cereal Impr. Prod. Proj.
FAO Information Bulletin on the Near East Cereal Improvement
and Production Project
- Farm Fact.
Farm and Factory
- Farm Front
On the Farm Front

Farm J. [India]
Farm Journal [India]

Farm Work Res. [Japan]
Farm Work Research [Japan]

Farming Mech.
Farming Mechanization

Feldwirtschaft
Feldwirtschaft

Fert. News
Fertiliser News

Fiziol. Biokhim. Osn. Vzaimodeistviya Rastenii v Fitotsenozakh
Fiziologo-Biokhimicheskie Osnovy Vzaimodeistviya Rastenii
v Fitotsenozakh

Fiziol. Rast.
Fiziologiya Rastenii

Forage Notes [Ottawa]
Forage Notes [Ottawa]

Forderungsdienst
Forderungsdienst

Foreign Agric.
Foreign Agriculture

Forst. Holzwirt
Forst- und Holzwirt

Fr. Agric.
France Agricole

G. Agric.
Giornale di Agricoltura

Gartenbau
Gartenbau

Gartneryrket
Gartneryrket

Genio Rurale
Genio Rurale

- Geobios [Jodhpur]
Geobios [Jodhpur]
- Gewasbescherming
Gewasbescherming [Netherlands]
- Ghana J. Agric. Sci.
Ghana Journal of Agricultural Sciences
- Gidrotekh. Melior.
Gidrotekhnika y Melioratsiya
- Glean. Bee Cult.
Gleanings in Bee Culture
- Grune
Grune
- Handbk. Veg. Sci.
Handbook of Vegetation Science
- Highlights Agric. Res.
Highlights of Agricultural Research
- Ho Yungu Shokuryo Kyogiakai
Ho Yungu Shokuryo Kyogiakai [Grain Importers Association Journal]
- Hojo to Dojo
Hojo to Dojo
- Hortscience
Hortscience
- Ill. Res.
Illinois Research
- Im Blickfield
Im Blickfield
- Indian Dairyman
Indian Dairyman
- Indian Farmers Dig.
Indian Farmers Digest
- Indian Farming
Indian Farming
- Indian For.
Indian Forester

- Indian J. Agric. Res.
Indian Journal of Agricultural Research
- Indian J. Agric. Sci.
Indian Journal of Agricultural Science
- Indian J. Agron.
Indian Journal of Agronomy
- Indian J. Nematol.
Indian Journal of Nematology
- Indian J. Weed Sci.
Indian Journal of Weed Science
- Indian Phytopathol.
Indian Phytopathology
- Indian Silk
Indian Silk
- Indian Sugar
Indian Sugar
- Intensive Agric.
Intensive Agriculture
- Int. Rice Comm. Newsl.
International Rice Commission Newsletter
- Irrigazione
Irrigazione
- Ital. Agric.
Italia Agricola
- Izv. Akad. Nauk BSSR Ser. Biol. Nauk
Izvestiya Akademii Nauk Belorusskoi SSR, Seriya Biologicheskikh Nauk
- J. Agric. [Victoria, Aust.]
Journal of Agriculture [Victoria, Australia]
- J. Agric. Econ.
Journal of Agricultural Economics
- J. Agric. Sci.
Journal of Agricultural Science

- J. Agric. Soc. Trinidad Tobago
Journal of the Agricultural Society of Trinidad and Tobago
- J. Ala. Acad. Sci.
Journal of the Alabama Academy of Science
- J. Aust. Inst. Agric. Sci.
Journal of the Australian Institute of Agricultural Science
- J. Cent. Agric. Exp. Stn. [Japan]
Journal of the Central Agricultural Experiment Station [Japan]
- J. Dev. Stud.
Journal of Development Studies
- J. Environ. Qual.
Journal of Environmental Quality
- J. Indian Soc. Soil Sci.
Journal of the Indian Society of Soil Science
- J. Korean Soc. Crop Sci.
Journal of the Korean Society of Crop Science
- J. Nematol.
Journal of Nematology
- J. Niigata Agric. Exp. Stn.
Journal of the Niigata Agricultural Experiment Station
- J. Res. Haryana Agric. Univ.
Journal of Research, Haryana Agricultural University
- J. Res. [Punjab Agric. Univ.]
Journal of Research [Punjab Agricultural University]
- J. Royal Hortic. Soc.
Journal of the Royal Horticultural Society
- J. Rural Community Stud. [Japan]
Journal of Rural Community Studies [Japan]
- J. Sci. Agric. Res.
Journal for Scientific Agricultural Research
- J. Sci. Soil Manure Japan
Journal of the Science of Soil and Manure Japan
- J. Soil Sci.
Journal of Soil Science

- J. Soil Water Conserv.
Journal of Soil and Water Conservation
- J. Taiwan Agric. Res.
Journal of Taiwan Agricultural Research
- JARQ (Japan Agric. Res. Q.)
JARQ (Japan Agricultural Research Quarterly)
- JNKVV [Jawaharlal Nehru Krishi Vishwa Vidyalaya] Res. J.
JNKVV [Jawaharlal Nehru Krishi Vishwa Vidyalaya] Research
Journal
- Journees Riz
Journees du Riz
- Jute Bull.
Jute Bulletin
- K. Skogs Lantbruksakad. Tidskr.
Kungliga Skogs- och Lantbruksakademiens Tidskrift
- Kali
Kali
- Kali-Briefe
Kali-Briefe
- Kartofel Ovoshchi
Kartofel i Ovoshchi
- Kartoffelbau
Kartoffelbau
- Kartopliarstvo
Kartopliarstvo
- Kasikorn
Kasikorn
- Khim. Sel'sk. Khoz.
Khimiya v Sel'skom Khozyaistve
- Khlopkovodstvo
Khlopkovodstvo
- Kinki Chugoku Agric. Res.
Kinki Chugoku Agricultural Research

Kukuruza

Kukuruza

La. Agric.

Louisiana Agriculture

Landbauforsch. Voelkenrode

Landbauforschung Voelkenrode

Landbonyt

Landbonyt

Landwirtsch. Forsch. Sonderh.

Landwirtschaftliche Forschung, Sonderheft

Lantbrukshoegsk. Medd. Ser. A

Lantbrukshoegskolans Meddelanden Serie A

Lav. Arroz

Lavoura Arrozeira

Lebendige Erde

Lebendige Erde

Len Konoplya

Len i Konoplya

Lohnunterne. Land- Forstwirtsch.

Lohnunternehmen in Land- und Forstwirtschaft

Lotta Antiparassitaria

Lotta Antiparassitaria

Lucr. Stiint. Inst. Agron. Cluj Ser. Agric.

Lucrari Stiintifice, Institutul Agronomic "Dr. Petru Groza",
Cluj, Seria Agricultura

MAFES [Miss. Agric. For. Exp. Stn.]

MAFES (Mississippi Agriculture and Forestry Experiment Station)
Research Highlights

Malay. Agric.

Malayan Agriculturist

Malays. Agric. J.

Malaysian Agricultural Journal

Maydica

Maydica

Meded. Fac. Landbouwwet. Rijskunj. Gent

Mededelingen van de Faculteit Landbouwwetenschappen
Rijksuniversiteit Gent

- Melior. Vodn. Khoz.
Melioratsiya i Vodnoe Khozyaistvo
- Mem. Coll. Agric. Natl. Taiwan Univ.
Memoirs, College of Agriculture, National Taiwan University
- Mezhdunar. S-kh. Zh.
Mezhdunarodnyi Sel'skokhozyaistvennyi Zhurnal
- Mikol. Fitopatol.
Mikologiya i Fitopatologia
- Mikrobiol. Zh. [Kiev]
Mikrobiologichnii Zhurnal [Kiev]
- Misc. Publ. Coop. Ext. Serv. Univ. Hawaii
Miscellaneous Publication, Cooperative Extension Service,
University of Hawaii
- Misc. Stud. Univ. Reading Dep. Agric. Econ.
Miscellaneous Study, University of Reading Department of
Agricultural Economics
- Miss. Farm Res.
Mississippi Farm Research
- Mitt. Biol. Bundesanst. Land Forstwirtschaft.
Mitteilungen aus der Biologischen Bundesanstalt fuer Land-
und Forstwirtschaft, Berlin-Dahlem
- Mitt. Dtsch. Landwirt. Ges.
Mitteilungen der Deutschen Landwirtschafts-gesellschaft
- Mitt. Schweiz. Landwirtschaft.
Mitteilungen fuer die Schweizerische Landwirtschaft
- Mod. Agric. Ind.
Modern Agriculture and Industry
- Mysore J. Agric. Sci.
Mysore Journal of Agricultural Science
- NEDA [Natl. Econ. Dev. Authority] Dev. Dig.
NEDA [National Economic Development Authority] Development
Digest
- N. Z. J. Exp. Agric.
New Zealand Journal of Experimental Agriculture

Nachrichtenbl. Dtsch. Pflanzenschutzdienst [Berlin]
 Nachrichtenblatt fuer den Deutschen Pflanzenschutzdienst
 [Berlin]

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Nauchn. Kokl. Shk. Biol. Nauki
 Nauchnye Doklady Vysshei Shkoly, Biologicheskije Nauki

Nauchni Tr. Selskostop. Akad. Sofia Ser. Rastenievud.
 Nauchni Trudove, Selskostopanska Academiya "Georgi Dimitrov",
 Sofia, Seriya: Rastenievudstvo

News1. ASPAC Food Fert. Technol. Cent.
 Newsletter, ASPAC Food and Fertilizer Technology Center,
 Taipei, Taiwan

Nigerian Agric. J.
 Nigerian Agricultural Journal

Niigata Agric. Sci.
 Niigata Agricultural Science

Nogyo Gijutsu
 Nogyo Gijutsu

No-Till Farmer
 No-Till Farmer

Novenytermeles
 Novenytermeles

Nowe Roln.
 Nowe Rolnictwo

Occas. Pap. Dep. Agric. Econ. Cornell Univ.
 Occasional papers, Department of Agricultural Economics,
 Cornell University

Ohio Rep. Res. Dev.
 Ohio Report on Research and Development

Oreg. Agric. Prog.
 Oregon's Agricultural Progress

Org. Gard. Farming
 Organic Gardening and Farming

Outlook Agric.

Outlook on Agriculture

PKV [Punjabrao Krishi Vidyapeeth] Res. J.

PKV [Punjabrao Krishi Vidyapeeth] Research Journal

Pamiet. Pulawski

Pamietnik Pulawski

Parasitica

Parasitica

Pchelovodstvo

Pchelovodstvo

Pflanzenarzt

Pflanzenarzt

Philipp. Farmers' J.

Philippine Farmers' Journal

Philipp. Weed Sci. Bull.

Philippine Weed Science Bulletin

Phytopathology

Phytopathology

Plant Dis. Rep.

Plant Disease Reporter

Plant Pathol.

Plant Pathology

Plant Physiol.

Plant Physiology

Plant Prot. [Japan]

Plant Protection [Japan]

Plant Soil

Plant and Soil

Pochvovedenie

Pochvovedenie

Pochvozn. Agrokhim.

Pochvoznanie i Agrokhimiya

Poljopr. Znan. Smotra

Poljoprivredna Znanstvena Smotra

Pol 'nohospodarstvo
Pol 'nohospodarstvo

Potash Rev.
Potash Review

Power Farming
Power Farming

Probl. Agric.
Probleme Agricole

Proc. Annu. Pac. Northwest Fert. Conf.
Proceedings of the Annual Pacific Northwest Fertilizer Congress

Proc. Crop Sci. Soc. Japan
Proceedings of the Crop Science Society of Japan

Proc. Soil Crop Sci. Soc. Fla.
Proceedings, Soil and Crop Science Society of Florida

Proc. Soil Sci. Soc. Am.
Proceedings, Soil Science Society of America

Proc. Sugar Beet Res. Assoc. [Japan]
Proceedings of the Sugar Beet Research Association [Japan]

Proc. Tall Timbers Conf. Ecol. Anim. Contr. Habitat Manage.
Proceedings, Tall Timbers Conference on Ecological Animal
Control by Habitat Management

Proc. West. Soc. Weed Sci.
Proceedings of the Western Society of Weed Science

Prod. West. Soc. Weed Sci.
Proceedings of the Western Society of Weed Science

Prod. Agric. Fr.
Producteur Agricole Francais

Prog. Farming
Progressive Farming

Prog. Rep. Colo. Agric. Exp. Stn.
Progress Report, Colorado Agricultural Experiment Station

Prog. Rep. Texas Agric. Exp. Stn.
Progress Report, Texas Agricultural Experiment Station

Punjab Hortic. J.
Punjab Horticultural Journal

- Q. Coop. Ext. Serv. Univ. Ariz.
Quarterly, Cooperative Extension Service, University of Arizona
- Q. Serv. Farm Ranch Home Univ. Neb. Coll. Agric.
Quarterly Serving Farm, Ranch and Home, University of Nebraska,
College of Agriculture
- Qual. Plant. Mater. Veg.
Qualitas Plantarum et Materiae Vegetabiles
- Qual. Plant. Plant Foods Hum. Nutr.
Qualitas Plantarum - Plant Foods for Human Nutrition
- Quuensl. Agric. J.
Queensland Agricultural Journal
- Rastenievud. Nauki
Rastenievudni Nauki
- Rep. Rothamsted Exp. Stn.
Report Rothamsted Experimental Station
- Rep. Taiwan Sugar Exp. Stn.
Report of the Taiwan Sugar Experiment Station
- Rep. Water Resources Cent. Univ. Calif.
Report, Water Resources Center, University of California
- Res. Bull. Aichi-ken Agric. Res. Cent. Ser. A
Research Bulletin of the Aichi-ken Agricultural Research Center,
Series A: Food Crop
- Res. Bull. Ga. Agric. Exp. Stn.
Research Bulletin, Georgia Agricultural Experiment Station
- Res. Life Sci.
Research in the Life Sciences
- Res. Rep. Dep. Agron. Hortic. Sci. Sydney Univ.
Research Report, Department of Agronomy and Horticultural
Science, Sydney University
- Res. Rep. Fukuoka Agric. Exp. Stn.
Research report of the Fukuoka Agricultural Experiment Station
- Res. Rep. Off. Rural Dev. [Korea]
Research Reports of the Office of Rural Development, Korea
- Res. Rep. Res. Div. Va. Polytech.
Research Report, Research Division, Virginia Polytechnic
Institute

- Res. Rep. Thailand Rice Dep.
Research Report, Thailand Rice Department
- Res. Summ. Ohio Agric. Res. Dev. Cent.
Research Summary, Ohio Agricultural Research and
Development Center
- Rev. Agric. Econ.
Review of Agricultural Economics
- Rev. Cafetalera
Revista Cafetalera
- Rev. ICA [Inst. Colombiano Agropecuar.]
Revista ICA [Instituto Colombiano Agropecuario]
- Rhodesia Zambia Malawi J. Agric. Res.
Rhodesia, Zambia and Malawi Journal of Agricultural Research
- Rice Farming
Rice Farming
- Ricemill News
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- Riso
Il Riso
- Riv. Agron.
Rivista di Agronomia
- Rocz. Glebozn.
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- Rostl. Vyroba
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- Rural India
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- S. D. Farm Home Res.
South Dakota Farm and Home Research
- Samaru Agric. Newsl.
Samaru Agricultural Newsletter

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- Sanshi Kenkyu
Sanshi Kenkyu
- Sb. Nauchn. Tr. Beloruss. Nauchno-Issled. Inst. Zemled.
Sbornik Nauchnykh Trudov, Belorusskii, Nauchno-Issledovatel'skii
Institut Zemledeliya
- Sb. Vysk. Sk. Zemed. Praze Fak. Agron. Rada A Rostl. Vyroba
Sbornik Vysoke Skoly Zemedelske v Praze Fakulty Agronomicke,
Rada A: Rostlinna Vyroba
- Schweiz. Landwirtsch. Forsch.
Schweizerische Landwirtschaftliche Forschung
- Schweiz. Landwirtsch. Monatsh.
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- Science
Science
- Sci. Cult.
Science and Culture
- Sci. Hortic.
Scientific Horticulture
- Sci. Rev.
Science Review
- Sel. Semenovod. [Moscow]
Selektsiya i Semenovodstvo [Moscow]
- Sel'sk. Khoz. Kirg.
Sel'skoe Khozyaistvo Kirgizii
- Sementi Elette
Sementi Elette
- Sib. Vestn. S-kh. Nauki
Sibirskii Vestnik Sel'skokhozyaistvennoi Nauki
- S-kh. Biol.
Sel'skokhozyaistvennaya Biologiya
- Soil Assoc.
Soil Association

- Soil Biol. Biochem.
Soil Biology and Biochemistry
- Soil Conserv.
Soil Conservation
- Soil Sci.
Soil Science
- Soil Sci. Plant Nutr.
Soil Science and Plant Nutrition
- Soil Ser. Dep. Soil Sci. Univ. Minn.
Soil Series, Department of Soil Science, University of
Minnesota
- Sols Afr.
Sols Africains
- Sorghum Newsl.
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- South. J. Agric. Econ.
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- Staff Pap. Dep. Agric. Appl. Econ. Univ. Minn.
Staff Paper, Department of Agricultural and Applied
Economics, University of Minnesota
- Sugar Beet
Sugar Beet
- Sven. Frotidn.
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- Tai Wan Nung Yeh Chi K'an
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Technical Communication, Department of Agriculture and
Technical Services, Pretoria
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Engineering, Japan
- Terra Vita
Terra e Vita
- Terre Malgache
Terre Malgache
- Tidskr. Alvsborgs Norra Hushallningssalsk.
Tidskrift, Alvsborgs Lans Norra Hushallningssalskaps
- Tidsskr. Planteavl
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- Trop. Abstr.
Tropical Abstracts
- Trop. Agric.
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Uroda

Veroeff. Wurttemb. Landestelle Natursch. Landschaftspflege
Veroeffentlichungen der Wurttembergischen Landestelle
Naturschutz und Landschaftspflege

Vestn. Akad. Nauk. Kaz. SSR
Vestnik Akademii Nauk Kazakhskoi SSR

Vestn. Leningr. Univ. Biol.
Vestnik Leningradskogo Universiteta, Biologiya

Vestn. S-kh. Nauki [Alma-Ata]
Vestnik Sel'skokhozyaistvennoi Nauki [Alma-Ata]

Vestn. S-kh. Nauki [Moscow]
Vestnik Sel'skokhozyaistvennoi Nauki [Moscow]

Vestn. S-kh. Nauki Kazakh.
Vestnik Sel'skokhozyaistvennoi Nauki Kazakhstana

Vestsi Akad. Navuk BSSR Ser. Sel'skagaspad. Navuk
Vestsi Akademii Navuk Belaruskai SSR, Seryya Sel'skagaspadarchykh
Navuk

Visn. Sil'skogospod. Nauki
Visnik Sel's'kogospodarskoi Nauki

Weed Res. [Japan]
Weed Research [Japan]

Weed Sci.
Weed Science

Weed Sci. Rep. Dep. Agron. UPLB [Univ. Philipp. Los Baños]
Weed Science Report, Department of Agronomy, UPLB [University
of the Philippines at Los Baños]

Wheat Rev.
Wheat Review

Wiad. Ekol.
Wiadomosci Ekologiczne

World Crops
World Crops

World Farming
World Farming

Z. Acker-Pflanzenbau
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- Z. Ausl. Landwirtsch.
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- Z. Pflanzenkr. Pflanzenschutz
Zeitschrift fuer Pflanzenkrankheiten und Pflanzenschutz
- Z. Pflanzenzuecht.
Zeitschrift fuer Pflanzenzuechtung
- Zakhyst Rosl.
Zakhyst Roslin
- Zap. Leningr. S-kh. Inst.
Zapiski Leningradskogo Sel'skokhozyaistvennogo Instituta
- Zashch. Rast.
Zashchita Rastenii
- Zemledelie
Zemledelie
- Zemlerobstvo
Zemlerobstvo
- Zentralbl. Bakteriол. Parasitenkd. Infektionskr. Hyg. Abt. 2 Naturw.
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Zernovye i Maslichnye Kul'tury
- Zesz. Probl. Postepow Nauk Roln.
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